

OCTOBER 4.

The President, Dr. JOSEPH LEIDY, in the chair.

Seventeen persons present,

A paper entitled "The Classification of the Post-Cretaceous Deposits." By Angelo Heilprin, was presented for publication.

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OCTOBER 11.

The President, Dr. JOS. LEIDY, in the chair.

Twenty-two persons present.

A paper entitled "Prolonged Life of Invertebrates. Notes on the Age and Habits of the American Tarantula." By Henry C. McCook, D. D. was presented for publication.

At the meeting of the Botanical Section held September 12th, a paper entitled "Contributions to the Life-Histories of Plants." By Thomas Meehan, was recommended for publication.

*Fossil bones from Florida*.—Prof. LEIDY stated that he had recently received for examination, from the Geological Survey in Washington, two barrels and three boxes of fossil bones from Florida. They are labelled as having been collected by L. C. Johnson, from Mixson's bone-bed, 10 miles east of Archer, Levy Co., Florida. A note accompanying the collection, states that trenches were cut in the bed to the bottom rock from two and a half to six feet deep, and that the bones were found distributed abundantly without order, through the clay from top to bottom. The bones especially the larger ones, are generally much broken, though the original texture is mostly preserved, and they exhibit no trace of being rolled or water worn. The fractures appear to be entirely accidental or with no evidence of human action. Some portions of clay in large hollows of several specimens exhibit finely comminuted bones. The fossils pertain to the same animals previously indicated from the same locality in former communications (See the Proceedings, 1884, 118; 1885, 32; 1886, 11, 37.) They consist chiefly of the remains of *Rhinoceros proterus*, *Mastodon floridanus*, and *Auchenia major*. Among them are a number of well preserved molars of the Rhinoceros and Mastodon. Several more characteristic specimens prove that he had formerly committed a blunder in referring the fragment of a tooth, to an extinct boar with the name of *Eusyodon maximus* (Proc. 1886, 37), which is only part of the lower tusk of the rhinoceros. A tooth from the same locality, sent him by Dr. J. C. Neal of Archer, Florida, indicates a species